RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/373,403A

DATE: 06/03/2002
TIME: 13:02:24

Input Set : A:\P1099C1.txt
Output Set: N:\CRF3\06032002\I373403A.raw


```
  3 <110> APPLICANT: ARATHOON, R.
  4       CARTER, P.J.
  5       MERCHANT, A.M.
  6       PRESTA, L.G.
  8 <120> TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES HAVING
  9       HETEROMULTIMERIC AND COMMON COMPONENTS
 11 <130> FILE REFERENCE: P1099C1
 13 <140> CURRENT APPLICATION NUMBER: US 09/373,403A
C--> 14 <141> CURRENT FILING DATE: 2002-05-16
 16 <150> PRIOR APPLICATION NUMBER: US 08/850,058
 17 <151> PRIOR FILING DATE: 1997-05-02
 19 <160> NUMBER OF SEQ ID NOS: 26
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 36
 23 <212> TYPE: DNA
 24 <213> ORGANISM: Artificial sequence
 26 <220> FEATURE:
 27 <223> OTHER INFORMATION: Mutant
 29 <400> SEQUENCE: 1
 30  ctcttcccga gatgggggca gggtgcacac ctgtgg 36
 32 <210> SEQ ID NO: 2
 33 <211> LENGTH: 21
 34 <212> TYPE: DNA
 35 <213> ORGANISM: Artificial sequence
 37 <220> FEATURE:
 38 <223> OTHER INFORMATION: mutant
 40 <400> SEQUENCE: 2
 41  ctcttcccga catgggggca g 21
 43 <210> SEQ ID NO: 3
 44 <211> LENGTH: 21
 45 <212> TYPE: DNA
 46 <213> ORGANISM: Artificial sequence
 48 <220> FEATURE:
 49 <223> OTHER INFORMATION: mutant
 51 <400> SEQUENCE: 3
 52  ggtcatctca caccgggatg g 21
 54 <210> SEQ ID NO: 4
 55 <211> LENGTH: 24
 56 <212> TYPE: DNA
 57 <213> ORGANISM: Artificial sequence
 59 <220> FEATURE:
 60 <223> OTHER INFORMATION: mutant
 62 <400> SEQUENCE: 4
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RAW SEQUENCE LISTING DATE: 06/03/2002
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63 cttggtcata cattcacggg atgg 24
65 <210> SEQ ID NO: 5
66 <211> LENGTH: 30
67 <212> TYPE: DNA
68 <213> ORGANISM: Artificial sequence
70 <220> FEATURE:
71 <223> OTHER INFORMATION: mutant
73 <400> SEQUENCE: 5
74 ctcttcccga gatgggggac aggtgtacac 30
76 <210> SEQ ID NO: 6
77 <211> LENGTH: 21
78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: mutant
84 <400> SEQUENCE: 6
85 gccgtcggaa cacagcacgg g 21
87 <210> SEQ ID NO: 7
88 <211> LENGTH: 39
89 <212> TYPE: DNA
90 <213> ORGANISM: Artificial sequence
92 <220> FEATURE:
93 <223> OTHER INFORMATION: mutant
95 <400> SEQUENCE: 7
96 ctgggagtct agaacgggag gcgtggtaca gtagttgtt 39
98 <210> SEQ ID NO: 8
99 <211> LENGTH: 33
100 <212> TYPE: DNA
101 <213> ORGANISM: Artificial sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: mutant
106 <400> SEQUENCE: 8
107 gtcggagtct agaacgggag gacaggtctt gta 33
109 <210> SEQ ID NO: 9
110 <211> LENGTH: 21
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: mutant
117 <400> SEQUENCE: 9
118 gtcggagtct agacagggag g 21
120 <210> SEQ ID NO: 10
121 <211> LENGTH: 21
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: mutant
128 <400> SEQUENCE: 10
129 gccgtcggag ctcagcacgg g 21

RAW SEQUENCE LISTING DATE: 06/03/2002
PATENT APPLICATION: **US/09/373,403A** TIME: 13:02:24

Input Set : **A:\P1099C1.txt**
Output Set: **N:\CRF3\06032002\I373403A.raw**

<210> SEQ ID NO: 11
<211> LENGTH: 24
<212> TYPE: DNA
<213> ORGANISM: Artificial sequence
<220> FEATURE:
<223> OTHER INFORMATION: mutant
<400> SEQUENCE: 11
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<210> SEQ ID NO: 12
<211> LENGTH: 38
<212> TYPE: DNA
<213> ORGANISM: Artificial sequence
<220> FEATURE:
<223> OTHER INFORMATION: mutant
<400> SEQUENCE: 12
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<211> LENGTH: 821
<212> TYPE: DNA
<213> ORGANISM: Artificial sequence
<220> FEATURE:
<223> OTHER INFORMATION: mutant
<400> SEQUENCE: 13
aacgcgtacg ctctgaaaat ggcggacccg aaccgttttc gtggtaaaga 50
tctggctgca cactacggcc agccgcggga acctcaggtg tataccctgc 100
caccgtctcg agaagaaatg actaaaaacc aggtctctct gtggtgcctg 150
gtcaaaggtt tctatccgag cgatatcgcc gtggaatggg aaagcaacgg 200
tcaaccggaa aacaactaca aaaccactcc accggtgctg gattctgatg 250
gctccttctt tctgtattcg aagctgaccg ttgacaaaag ccgttggcag 300
caaggcaacg ttttcagctg ttctgttatg cacgaggcct tgcacaacca 350
ctacacccag aaaagcctgt ccctgtctcc cgggaaataa gctgaggctc 400
ctctagaggt tgaggtgatt ttatgaaaaa gaatatcgca tttcttcttg 450
catctatgtt cgtttttttct attgctacaa acgcgtacgc tgggcagccc 500
cgagaaccac aggtgtacac cctgccccca tcccgggaag agatgaccaa 550
gaaccaggta agcttgtact gcctggtcaa aggcttctat cccagcgaca 600
tcgccgtgga gtgggagagc aatgggcagc cggagaacaa ctacaagacc 650
acgcctcccg tgctggactc cgacggctcc ttcttcctct acagctttct 700
caccgtcgac aagagcaggt ggcagcaggg gaacgtcttc tcatgctccg 750
tgatgcatga ggctctgcac aaccactaca cgcagaagag cctctccctg 800
tctccgggta aatagggcc c 821
<210> SEQ ID NO: 14
<211> LENGTH: 50
<212> TYPE: PRT
<213> ORGANISM: Artificial sequence
<220> FEATURE:
<223> OTHER INFORMATION: recombinant
<400> SEQUENCE: 14
Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu
1 5 10 15

RAW SEQUENCE LISTING DATE: 06/03/2002
PATENT APPLICATION: US/09/373,403A TIME: 13:02:24

Input Set : A:\P1099C1.txt
Output Set: N:\CRF3\06032002\I373403A.raw

```
208  Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys
209                  20                  25                  30
211  Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr
212                  35                  40                  45
214  Lys Leu Thr Val Leu
215                  50
217 <210> SEQ ID NO: 15
218 <211> LENGTH: 50
219 <212> TYPE: PRT
220 <213> ORGANISM: Artificial sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: recombinant
225 <400> SEQUENCE: 15
226  Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu
227    1               5                  10                  15
229  Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys
230                  20                  25                  30
232  Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr
233                  35                  40                  45
235  Lys Leu Thr Val Leu
236                  50
238 <210> SEQ ID NO: 16
239 <211> LENGTH: 50
240 <212> TYPE: PRT
241 <213> ORGANISM: Artificial sequence
243 <220> FEATURE:
244 <223> OTHER INFORMATION: recombinant
246 <400> SEQUENCE: 16
247  Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu
248    1               5                  10                  15
250  Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys
251                  20                  25                  30
253  Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr
254                  35                  40                  45
256  Lys Leu Thr Val Leu
257                  50
259 <210> SEQ ID NO: 17
260 <211> LENGTH: 50
261 <212> TYPE: PRT
262 <213> ORGANISM: Artificial sequence
264 <220> FEATURE:
265 <223> OTHER INFORMATION: recombinant
267 <400> SEQUENCE: 17
268  Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu
269    1               5                  10                  15
271  Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys
272                  20                  25                  30
274  Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr
275                  35                  40                  45
```

RAW SEQUENCE LISTING DATE: 06/03/2002
PATENT APPLICATION: US/09/373,403A TIME: 13:02:24

Input Set : A:\P1099C1.txt
Output Set: N:\CRF3\06032002\I373403A.raw

```
277  Lys Leu Thr Val Leu
278                  50
280 <210> SEQ ID NO: 18
281 <211> LENGTH: 50
282 <212> TYPE: PRT
283 <213> ORGANISM: Artificial sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: recombinant
288 <400> SEQUENCE: 18
289  Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu
290    1               5                  10                  15
292  Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys
293                  20                  25                  30
295  Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr
296                  35                  40                  45
298  Lys Leu Thr Val Leu
299                  50
301 <210> SEQ ID NO: 19
302 <211> LENGTH: 50
303 <212> TYPE: PRT
304 <213> ORGANISM: Artificial sequence
306 <220> FEATURE:
307 <223> OTHER INFORMATION: recombinant
309 <400> SEQUENCE: 19
310  Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Ser Thr Ala Ser Leu
311    1               5                  10                  15
313  Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys
314                  20                  25                  30
316  Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr
317                  35                  40                  45
319  Lys Leu Thr Val Leu
320                  50
322 <210> SEQ ID NO: 20
323 <211> LENGTH: 50
324 <212> TYPE: PRT
325 <213> ORGANISM: Artificial sequence
327 <220> FEATURE:
328 <223> OTHER INFORMATION: recombinant
330 <220> FEATURE:
331 <221> NAME/KEY: unsure
332 <222> LOCATION: 9
333 <223> OTHER INFORMATION: unknown amino acid
335 <400> SEQUENCE: 20
W--> 336  Ser Asn Arg Phe Ser Gly Ser Lys Xaa Gly Asn Thr Ala Ser Leu
337    1               5                  10                  15
339  Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys
340                  20                  25                  30
342  Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr
343                  35                  40                  45
```

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 06/03/2002
PATENT APPLICATION: **US/09/373,403A** TIME: 13:02:25

Input Set : **A:\P1099C1.txt**
Output Set: **N:\CRF3\06032002\I373403A.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:20; Xaa Pos. 9
Seq#:26; Xaa Pos. 130,261